

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: ANTIBODIES AGAINST PD-1 AND USES THEREFOR the specification of which was filed on June 17, 2005 as United States Application No. 10/540,084 and Confirmation No. 7531.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT international application(s) designating at least one country other than the United States, listed below and have also identified below, any foreign application(s) for patent or inventor's certificate, or any PCT International application(s) having a filing date before that of the application(s) of which priority is claimed:

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. 119
PCT	PCT/IB2003/006304	December 22, 2003	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

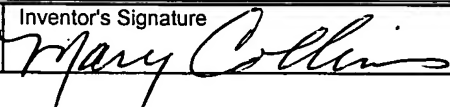
Application Number	Date of Filing
60/435,354	December 23, 2002

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application(s) and the national or PCT International filing date of this application:

Application Number	Date of Filing	Status (Patented, Pending, Abandoned)

I hereby appoint the following attorney and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. **FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., CUSTOMER NUMBER 22,852.**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of First Inventor Mary Collins	Inventor's Signature 	Date 10/10/05
Residence 54 Rathburn Road, Natick, MA 01760	Citizenship United States of America	
Post Office Address Same as above		

Full Name of Second Inventor Clive R. Wood	Inventor's Signature	Date
Residence 2 Hawthorne Place, 17R, Boston, MA 02114		Citizenship United States of America
Post Office Address Same as above		
Full Name of Third Inventor Beatriz M. Carreno	Inventor's Signature	Date
Residence 37 Nash Road, Acton, MA 01720		Citizenship United States of America
Post Office Address Same as above		
Full Name of Fourth Inventor Deborah Luxenberg	Inventor's Signature <i>Deborah Luxenberg</i>	Date 10/10/05
Residence 14 Meadowview Road, Melrose, MA 02176		Citizenship United States of America
Post Office Address Same as above		
Full Name of Fifth Inventor Jason Jussif	Inventor's Signature <i>Jason Jussif</i>	Date 10/14/05
Residence 24 North Policy Street, Salem, NH 03079		Citizenship United States of America
Post Office Address Same as above		
Full Name of Sixth Inventor Laura L. Carter	Inventor's Signature <i>Laura L. Carter</i>	Date 10/14/05
Residence 58 Mystic Road, Medford, MA 02155 <i>Street 4C</i>		Citizenship United States of America
Post Office Address Same as above		
Full Name of Seventh Inventor Frances K. Bennett	Inventor's Signature <i>Frances K. Bennett</i>	Date 10/11/06
Residence 6 Partridge Lane, Sudbury, MA 01776		Citizenship United States of America
Post Office Address Same as above		
Full Name of Eighth Inventor Viia-Valge Archer	Inventor's Signature	Date
Residence 36 Westfield, Little Abington, Cambridgeshire, CB1 6BE United Kingdom		Citizenship United Kingdom
Post Office Address		
Full Name of Ninth Inventor John Andrews	Inventor's Signature	Date
Residence Homecroftbury Green, Little Hadham Ware, Herts, United Kingdom SG11 2ES		Citizenship United Kingdom
Post Office Address Same as above		

Full Name of Tenth Inventor Caroline Russell	Inventor's Signature	Date
Residence 40 Redwing Rise, Royston Herts, United Kingdom SG8 7XU	Citizenship United Kingdom	
Post Office Address Same as above		

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: ANTIBODIES AGAINST PD-1 AND USES THEREFOR the specification of which was filed on June 17, 2005 as United States Application No. 10/540,084 and Confirmation No. 7531.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT international application(s) designating at least one country other than the United States, listed below and have also identified below, any foreign application(s) for patent or inventor's certificate, or any PCT International application(s) having a filing date before that of the application(s) of which priority is claimed:

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. 119
PCT	PCT/IB2003/006304	December 22, 2003	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number	Date of Filing
60/435,354	December 23, 2002

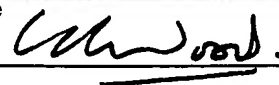
I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application(s) and the national or PCT International filing date of this application:

Application Number	Date of Filing	Status (Patented, Pending, Abandoned)

I hereby appoint the following attorney and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. **FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., CUSTOMER NUMBER 22,852.**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of First Inventor Mary Collins	Inventor's Signature	Date
Residence 54 Rathburn Road, Natick, MA 01760	Citizenship United States of America	
Post Office Address Same as above		

Full Name of Second Inventor Clive R. Wood	Inventor's Signature 	Date 23 rd Mar. 2006
Residence 2 Hawthorne Place, 17R, Boston, MA 02114		Citizenship United States of America
Post Office Address Same as above		
Full Name of Third Inventor Beatriz M. Carreno	Inventor's Signature	Date
Residence 11 Dartford Avenue, Clayton, MO 63104		Citizenship United States of America
Post Office Address Same as above		
Full Name of Fourth Inventor Deborah Luxenberg	Inventor's Signature	Date
Residence 14 Meadowview Road, Melrose, MA 02176		Citizenship United States of America
Post Office Address Same as above		
Full Name of Fifth Inventor Jason Jussif	Inventor's Signature	Date
Residence 24 North Policy Street, Salem, NH 03079		Citizenship United States of America
Post Office Address Same as above		
Full Name of Sixth Inventor Laura L. Carter	Inventor's Signature	Date
Residence 58 Mystic Road, Medford, MA 02155		Citizenship United States of America
Post Office Address Same as above		
Full Name of Seventh Inventor Frances K. Bennett	Inventor's Signature	Date
Residence 6 Partridge Lane, Sudbury, MA 01776		Citizenship United States of America
Post Office Address Same as above		
Full Name of Eighth Inventor Vila-Valge Archer	Inventor's Signature	Date
Residence 36 Westfield, Little Abington, Cambridgeshire, CB1 6BE United Kingdom		Citizenship United States of America
Post Office Address		
Full Name of Ninth Inventor John Andrews	Inventor's Signature	Date
Residence Homecroftbury Green, Little Hadham Ware, Herts, United Kingdom SG11 2ES		Citizenship United Kingdom
Post Office Address Same as above		

Full Name of Tenth Inventor Caroline Russell	Inventor's Signature	Date
Residence 40 Redwing Rise, Royston Herts, United Kingdom SG8 7XU	Citizenship United Kingdom	
Post Office Address Same as above		

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: ANTIBODIES AGAINST PD-1 AND USES THEREFOR the specification of which was filed on June 17, 2005 as United States Application No. 10/540,084 and Confirmation No. 7531.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT international application(s) designating at least one country other than the United States, listed below and have also identified below, any foreign application(s) for patent or inventor's certificate, or any PCT International application(s) having a filing date before that of the application(s) of which priority is claimed:

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. 119
PCT	PCT/IB2003/006304	December 22, 2003	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number	Date of Filing
60/435,354	December 23, 2002

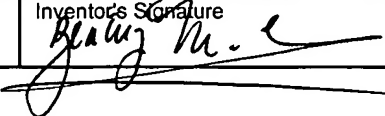
I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application(s) and the national or PCT International filing date of this application:

Application Number	Date of Filing	Status (Patented, Pending, Abandoned)

I hereby appoint the following attorney and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. **FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., CUSTOMER NUMBER 22,852.**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of First Inventor Mary Collins	Inventor's Signature	Date
Residence 54 Rathburn Road, Natick, MA 01760	Citizenship United States of America	
Post Office Address Same as above		

Full Name of Second Inventor Clive R. Wood	Inventor's Signature	Date
Residence 2 Hawthorne Place, 17R, Boston, MA 02114		Citizenship United States of America
Post Office Address Same as above		
Full Name of Third Inventor Beatriz M. Carreno	Inventor's Signature 	Date 03/22/06
Residence 11 Dartford Avenue, Clayton, MO 63104		Citizenship United States of America
Post Office Address Same as above		
Full Name of Fourth Inventor Deborah Luxenberg	Inventor's Signature	Date
Residence 14 Meadowview Road, Melrose, MA 02176		Citizenship United States of America
Post Office Address Same as above		
Full Name of Fifth Inventor Jason Jussif	Inventor's Signature	Date
Residence 24 North Policy Street, Salem, NH 03079		Citizenship United States of America
Post Office Address Same as above		
Full Name of Sixth Inventor Laura L. Carter	Inventor's Signature	Date
Residence 58 Mystic Road, Medford, MA 02155		Citizenship United States of America
Post Office Address Same as above		
Full Name of Seventh Inventor Frances K. Bennett	Inventor's Signature	Date
Residence 6 Partridge Lane, Sudbury, MA 01776		Citizenship United States of America
Post Office Address Same as above		
Full Name of Eighth Inventor Vila-Valge Archer	Inventor's Signature	Date
Residence 36 Westfield, Little Abington, Cambridgeshire, CB1 6BE United Kingdom		Citizenship United States of America
Post Office Address		
Full Name of Ninth Inventor John Andrews	Inventor's Signature	Date
Residence Homecroftbury Green, Little Hadham Ware, Herts, United Kingdom SG11 2ES		Citizenship United Kingdom
Post Office Address Same as above		

Full Name of Tenth Inventor Caroline Russell	Inventor's Signature	Date
Residence 40 Redwing Rise, Royston Herts, United Kingdom SG8 7XU	Citizenship United Kingdom	
Post Office Address Same as above		

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **ANTIBODIES AGAINST PD-1 AND USES THEREFOR** the specification of which was filed on June 17, 2005 as United States Application No. 10/540,084 and Confirmation No. 7531.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT international application(s) designating at least one country other than the United States, listed below and have also identified below, any foreign application(s) for patent or inventor's certificate, or any PCT International application(s) having a filing date before that of the application(s) of which priority is claimed:

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. 119
PCT	PCT/IB2003/006304	December 22, 2003	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number	Date of Filing
60/435,354	December 23, 2002

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application(s) and the national or PCT International filing date of this application:

Application Number	Date of Filing	Status (Patented, Pending, Abandoned)

I hereby appoint the following attorney and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. **FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., CUSTOMER NUMBER 22,852.**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of First Inventor Mary Collins	Inventor's Signature	Date
Residence 54 Rathburn Road, Natick, MA 01760		Citizenship United States of America
Post Office Address Same as above		

Full Name of Second Inventor Clive R. Wood	Inventor's Signature	Date
Residence 2 Hawthorne Place, 17R, Boston, MA 02114		Citizenship United States of America
Post Office Address Same as above		
Full Name of Third Inventor Beatriz M. Carreno	Inventor's Signature	Date
Residence 37 Nash Road, Acton, MA 01720		Citizenship United States of America
Post Office Address Same as above		
Full Name of Fourth Inventor Deborah Luxenberg	Inventor's Signature	Date
Residence 14 Meadowview Road, Melrose, MA 02176		Citizenship United States of America
Post Office Address Same as above		
Full Name of Fifth Inventor Jason Jussif	Inventor's Signature	Date
Residence 24 North Policy Street, Salem, NH 03079		Citizenship United States of America
Post Office Address Same as above		
Full Name of Sixth Inventor Laura L. Carter	Inventor's Signature	Date
Residence 58 Mystic Road, Medford, MA 02155		Citizenship United States of America
Post Office Address Same as above		
Full Name of Seventh Inventor Frances K. Bennett	Inventor's Signature	Date
Residence 6 Partridge Lane, Sudbury, MA 01776		Citizenship United States of America
Post Office Address Same as above		
Full Name of Eighth Inventor Viia-Valge Archer	Inventor's Signature <i>V. Valge Archer</i>	Date 2 Nov. 2005
Residence 36 Westfield, Little Abington, Cambridgeshire, CB1 6BE United Kingdom		Citizenship United States of America
Post Office Address Same as above		
Full Name of Ninth Inventor John Andrews	Inventor's Signature <i>John Andrews</i>	Date 8 Nov 2005
Residence Homecroftbury Green, Little Hadham Ware, Herts, United Kingdom SG11 2ES		Citizenship United Kingdom
Post Office Address Same as above		

Full Name of Tenth Inventor Caroline Russell	Inventor's Signature <i>Caroline Russell</i>	Date 2/11/05
Residence 40 Redwing Rise, Royston Herts, United Kingdom SG8 7XU	Citizenship United Kingdom	
Post Office Address Same as above		